

**SVL 66****DESCRIPTION**

Remanco has developed a standard line of nuvistor IF Pre-Amplifiers and Amplifiers with center frequencies of 30 mcs and 60 mcs.

These nuvistor amplifiers provide the advantages of conventional tube-type devices, with regard to performance and reliability, and approach the transistor-type amp in size and power consumption.

DESIGN

These amplifiers are designed to provide a wide range of gain control without change in center frequency, bandwidth or flatness of response. This action is achieved by the use of double tuned transitionally coupled, transformers. This technique also provides selectivity curves of excellent shape factor.

Low noise figures are achieved in the SVL and SVP amplifiers by the use of nuvistors in a cascode circuit. The combination of low noise and wide bandwidth is achieved by "T" matching networks. These units are normally provided with IF outputs; however, video output signals can be supplied.

The SVM amplifiers have 50 ohm matched (low VSWR) inputs and are designed as post

amplifiers for applications involving remote pre-amplifiers. These units can likewise be used on high level signals and for general instrumentation work. Both video and IF outputs are normally provided.

CONSTRUCTION

These units are designed to MIL-T-21200 and will meet extreme environmental conditions with no change in electrical characteristics. The casting type of construction employed provides a rugged unit which is easy to mount.

**OPTIONS AND
MODIFICATIONS**

These standard amplifiers will satisfy many of the 30 mcs and 60 mcs requirements; however, Remanco can provide IF Amplifiers with special input or output impedances, various center frequencies up to 500 mc, and various bandwidths including the very wide band type.

Other special nuvistor devices such as mixers, RF amplifiers and oscillators can be provided to frequencies up to 1 GC. Remanco also has a capability for the design of miniature, sub-miniature or transistor-type IF Amplifiers.

Contact the factory or your local Remanco representative for further information.

SPECIFICATIONS

SVP SERIES I-F PREAMPLIFIERS

DESCRIPTION	f _o mc	BW mc	GAIN Min. db	N.F. Max. db	Z in ohms	Z out ohms	GAIN CONTROL db
SVP-618	60	18	30	3.0	50	50	10
SVP-610	60	10	35	2.5	50	50	10
SVP-65	60	5	40	2.5	50	50	10
SVP-310	30	10	35	2.0	50	50	10
SVP-35	30	5	40	2.0	50	50	10

SIZE: 5.91" x 3.16" x 1.7"

POWER REQ: +120V DC @ 35 ma; 6.3V AC @ 0.42a.

SVM SERIES I-F POST AMPLIFIERS

DESCRIPTION	f _o mc	BW mc	GAIN Min. db	N.F. Max. db	Z in ohms	Z out ohms	GAIN CONTROL db
SVM-310	30	10	90	—	50	50	70
SVM-35	30	5	90	—	50	50	70
SVM-610	60	10	90	—	50	50	70
SVM-65	60	5	90	—	50	50	70

SIZE: 13.78" x 3.16" x 1.7"

POWER REQ: +120V DC @ 72 ma; 6.3V AC @ 0.9a.

SVL SERIES I-F LOW-NOISE AMPLIFIERS

DESCRIPTION	f _o mc	BW mc	GAIN Min. db	N.F. Max. db	Z in ohms	Z out ohms	GAIN CONTROL db
*SVL-610	60	10	100	2.5	50	50	80
SVL-66	60	6	100	2.5	50	50	80
SVL-65	60	5	100	2.5	50	50	80
SVL-310	30	10	100	2.0	50	50	80
SVL-35	50	5	100	2.0	50	50	80

SIZE: 11.82" x 3.16" x 1.7" *SVL-610 is in SVM size case.

POWER REQ: +120V DC @ 80 ma; 6.3V AC @ 1a.

Sold & Serviced By:

MANUFACTURERS MARKETING, INC.

32 Commerce Street

Springfield, New Jersey 07081

Code 201-376-5149

SVQ SERIES LIN-LOG I-F AMPLIFIERS

DESCRIPTION	f _o mc	BW mc	Gain db		Dynamic Range db		Linearity db	Z in ohms	Z out ohms	Video Output Amplitude	
			Lin	Log	Lin	Log				-85 dbm	-15 dbm
SVQ-601L	60	1	15	75	10	70	±1	50	100	.1v pk	1 v pk
SVQ-301L	30	1	15	75	10	70	±1	50	100	.1v pk	1 v pk

SIZE: 12" x 5" x 1.4"

POWER REQ: +120V DC @ 130 ma; 6.3V AC @ 2.0a.

5/15/63